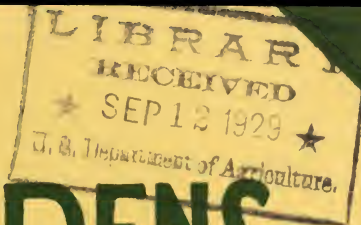


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BULB GARDENS



BECKERT SEED & BULB CO.
502 LIBERTY AVE. PITTSBURGH, PA.

BULB GARDENS

BULB Gardening is the easiest, as well as one of the most fascinating and beautiful forms of gardening.

These messengers of Spring, planted according to the simple instructions given on our detachable cultural sheet opposite, will produce an enchanting picture next Spring that will remain fresh in your memory until another season again brings forth their hidden beauty.

Whether it be a few bulbs planted around your home or naturalized about your grounds, or a larger amount planted in formal beds or borders, you will be greeted in the Springtime by a charming array of blooms that will more than repay the slight attention you have given them.

The past Winter has been one of the coldest that Holland bulb growers have ever experienced and consequently many varieties of bulbs are in short supply. Our close association for many years with the most critical growers of flowering bulbs enables us to again supply this season the best quality that Holland produces. Remember, only Quality Bulbs will produce Quality Flowers.

Time of Delivery

Bulbs and roots mature at different dates in Autumn and delivery will be made as closely as ripening conditions will permit, as follows: **SEPTEMBER**—*Lilium Harrisii*, *Lilium Candidum*, French Roman Hyacinths. **OCTOBER**—Tulips, Dutch Hyacinths, Crocus and Miscellaneous Bulbs. **NOVEMBER**—Lilies and Lilies-of-the-Valley. Some seasons *Lilium Album*, *Auratum* and *Rubrum* arrive from Japan too late for Fall planting, in which case we make delivery of these the following Spring in due planting time to bloom during the Summer.

BECKERT SEED AND BULB COMPANY

Oscar M. Beckert, *President and Treasurer*

John W. Fornof, *Vice President and Secretary*

502 LIBERTY AVE.

PITTSBURGH, PENNA.

Cultural Instructions for Fall Bulbs

Tulips

Tulips are the finest and most useful of the Holland Bulbs. By the selection of the proper kinds they are equally adaptable for growing indoors in pots, or outdoors in beds or interspersed in shrubbery or perennial borders.

For convenience in giving cultural instructions we divide Tulips into two groups: Early Tulips (Single and Double), which bloom in April, and Late Tulips (Darwin, Breeder, and Cottage), which bloom in May.

Early Tulips are used for forcing indoors and for planting outdoors in beds and borders where early blooming is desired. The Late Tulips are generally used outdoors for bedding or for group planting in the perennial border. Some of the Darwin Tulips may be forced indoors, but these should be brought on more slowly than the Early-flowering group.

INDOOR CULTURE. A 6-inch clay pot with drainage hole is best for forcing Tulips and will hold 5 or 6 bulbs. Good potting soil is made by mixing 2 parts good garden soil with 1 part leaf mold or humus, adding a little sharp sand to keep the soil porous and a small quantity of bone meal to stimulate growth.

Place 1 to 1½ inches coarse ashes in the bottom of the pot for drainage. Fill the pots with soil and plant bulbs so that the tops are level with the rim of the pot. Be sure to leave enough room to water thoroughly and then either place the pot in a cool dark place, or plunge in a trench outdoors covering it with about a foot of loose material. Allow 14 to 15 weeks for the development of strong root growth, after which time bring into a light, cool room at a temperature of not over 65 degrees.

OUTDOOR CULTURE. Any fairly good garden soil will grow fine Tulips. The ground should be thoroughly worked up and Bone Meal applied at the rate of 5 lbs. per 100 sq. ft.

Plant bulbs of the Early and Parrot Tulips, so that they are covered by 3 to 4 inches of soil, and the other late flowering kinds by 5 to 6 inches of soil.

The surface of the bed should have a slight slope to carry off excess moisture. After the ground freezes, protect from alternate freezing and thawing by a covering of Peat Moss, leaves or strawy manure. This covering should be removed in the Spring when danger from severe frost is past.

CARE OF BULBS AFTER BLOOMING.

Tulips may be left in the ground from year to year or lifted and stored away until Fall, although it is advisable to lift every year if soil is very heavy; in either case the leaves should be allowed to turn brown before they are cut off. If the space is required for other plantings, lift the plants carefully and "heel in" in some other part of the garden to ripen. When the leaves turn brown the new bulb is matured, and if the bulbs are to remain in the ground the dead tops should be cut off. If the bulbs are to be lifted it is best to lift the plants entirely and spread out to dry for a few days before cutting off the tops and removing the dirt. Store over Summer in a cool, airy place not more than 2 bulbs deep.

Hyacinths

INDOOR CULTURE. The Dutch Hyacinth may be grown in pots in soil—in bowls in prepared Bulb Fiber—and even in special Hyacinth glasses in water. Proceed as with Tulips by placing coarse ashes or other rubble in the bottom of the pots for drainage, filling with soil, and planting the bulbs so that the tops are just above surface of the soil. The exhibition size bulbs are best for forcing and should be planted one to a 5-inch pot or three to a 7-inch pot.

The French Roman Hyacinths may be grown in pebbles and water in the same manner as Paper-White Narcissi. Fill bowls with pebbles, push bulbs about two-thirds way into the pebbles and fill with water to the base of the bulbs.

After planting the bulbs in pots, glasses, or bowls, water thoroughly and place in a cool, dark place for 10 to 14 weeks to make root growth. They may then be brought into a light, cool room to bloom.

OUTDOOR CULTURE. Light, rich, well-drained soil is best suited for Hyacinths, and as they make roots very early they should be planted as early in the Fall as possible. Set bulbs so that they will be covered by 4 to 6 inches of soil, according to size. After the ground freezes, protect from alternate freezing and thawing by a covering of Peat Moss, strawy manure or leaves. Remove this covering in the Spring when weather has become settled.

CARE AFTER BLOOMING. When the leaves have turned brown dig up the bulbs, cut off the tops, clean and store until Fall in a cool, dry place.

Narcissus or Daffodils

The Hardy Narcissi or Daffodils require less care and attention than any other bulbous flowers. Planted in congenial soil, where they will be undisturbed, they will increase and bloom for years.

OUTDOOR CULTURE. Narcissi or Daffodils will thrive and multiply in any good garden soil, in full sun or partial shade. They are perfectly at home on the edges of shrubbery borders, in woodland groves or even on the edges of the lawn. Cover the bulbs with about twice their own depth of soil. It will not be necessary to lift the bulbs and separate them for years; in fact, they seem to grow better if left undisturbed, providing the foliage is allowed to turn brown.

Miscellaneous Bulbs

Few too few flower lovers know the various miscellaneous bulbs and their uses. The hardy kinds (Crocus, Chionodoxa, Eranthis, Grape Hyacinths, Scilla and Snowdrops) may be used for naturalizing, interplanting in beds or borders or planted in clusters in the rockery. The tender kinds (Amaryllis, Calla, Freesia and Oxalis) can only be grown indoors and will, with but little care, give you flowers during the Winter months.

Cultural Instructions for Fall Bulbs—Continued

MISCELLANEOUS BULBS—Continued.

CULTURE OUTDOORS. The hardy miscellaneous bulbs mentioned will grow in almost any soil and can also be planted in the lawn. Plant so that the bulbs are covered with soil twice their own depth. Do not remove or cut off leaves until they have turned brown.

CULTURE INDOORS—AMARYLLIS. Use pots about one inch larger than the bulb in diameter and plant so that the long neck is fully exposed, in heavy soil enriched with sheep manure or bone meal. Place the pots in a light, cool place and water sparingly until the growth is well under way. A weak solution of liquid sheep manure about once a week will assist in bringing on the blooms. Plunge outdoors in the garden over Summer, taking care that the leaves are not injured. Bring inside before frost and place in the cool and dark without any moisture, to rest for a period of at least 3 weeks before starting to grow them again.

CALLA. The most popular Calla for indoors is the pure white variety *Aethiopica*. They are heavy feeders, requiring considerable nourishment and moisture while growing. Use a large, deep pot, set top of bulb level with surface of the soil, and after potting, place directly in the light. When the buds begin to show, feed with a weak solution of liquid sheep manure. *Calla Eliottiana*, is golden yellow with spotted foliage, blooms later than the white and requires the same general treatment.

CROCUS. For growing indoors, Crocus may be planted in either soil or prepared bulb fiber. Plant early and use the largest bulbs obtainable, placing 10 to 12 bulbs in a 6-inch low pan. Water and place in the dark for 14 to 16 weeks.

FEESIA. Fragrant perfumed, tubular blooms produced in clusters on slender stalks and valuable for cutting. Plant as early in the Fall as possible, using 3 to 10 bulbs in a 6-inch pot or pan and cover to depth of 1 inch. Water thoroughly and plunge pot to the rim outdoors, in the garden. When growth shows well above the ground or before frost, bring indoors to a cool room, where they should be grown along slowly. Fine twigs placed on the edge of the pots will support the foliage.

OKALIS. Indoor plants producing charming tiny flowers, which, owing to their trailing nature, are valuable for hanging baskets. Plant 10 to 12 bulbs in a 6-inch pot, do not place in the dark, but keep out of direct sunlight until growth starts, after which they can be brought into full light.

Iris

We list three distinct kinds of Iris, which are best treated separately.

GERMAN IRIS (*Fleur-de-lis* or *Flag*) is the most commonly grown. They have broad, swordlike leaves, bloom in May and will grow in any good soil that is well drained. Plant so that the upper part of the rhizome (bulb) shows above the ground.

JAPANESE IRIS (*Iris Kaempferi*) is the tallest growing and largest flowered of the Iris family and blooms in June or early July. A moist location such as along a stream or around a pool is best suited to the Japanese Iris. However, they should not be planted where the water lies for a long time in Winter. When planting, barely cover the roots.

SPANISH IRIS (*Iris Hispanica*) differs from the two varieties given above in that they are grown from bulbs, not roots. The leaves are quite narrow and the flowers relatively small, but finely formed and exquisitely colored. Plant bulbs so that they are covered by 3 to 4 inches of soil in any well drained location. Spanish Iris are more effective when planted in groups instead of singly. Perfectly hardy with protection.

GENERAL IRIS CULTURE. Iris like plenty of water at the time of blooming but should not be planted where water lies for a long time in Winter. Bone Meal is the best fertilizer and should be applied liberally in early Spring. Avoid the use of manure, either fresh or rotted. Note, first growth in the early Spring is inclined to be slender but soon broadens out luxuriantly.

Peonies

Cultural instructions for Peonies will be found on page 13.

Lilies, Their Likes and Dislikes

Lilies can be made to grow in a variety of soils, providing the texture of the soil is taken into consideration in planting. Plant deep in light, sandy soils and shallower in heavy soils; also large bulbs should be planted deeper than small ones.

Practically all Lilies like leaf mold and sharp, gritty sand, and dislike manure unless it is very old, well rotted and thoroughly incorporated with the soil. Although Lilies require plenty of moisture during the growing season, they should never be planted where water lies in the Winter time.

AURATUM. Dislikes lime and likes a well drained, sunny or partially shaded location.

BATEMANNAE. Likes lime and grows equally well in sun or partial shade.

CANDIDUM. Likes full sun and is impartial as to lime and soil provided it is well drained. Does not like to be moved.

HANSONI. Impartial to lime and likes partial shade. Sometimes does not bloom the first year after planting.

HENRYI. Impartial to lime and thrives equally well in sun or partial shade.

KRAMERI. Dislikes lime and must have a well drained, sheltered location.

REGALE. One of the hardiest Lilies, impartial to lime, soil, or location; this superb variety seems to grow anywhere.

SPECIOSUM ALBUM AND RUBRUM. Dislikes lime and like their roots to be shaded while their flower spikes have access to the sun.

SUPERBUM. Dislikes lime and likes a shaded, moist location, although it will stand the sun if provided with ground cover or a heavy mulch.

TIGRINUM. Endures lime and likes a moist location either in sun or partial shade.

PEAT MOSS is an excellent Summer and Winter mulch for all Lilies.

BECKERT SEED AND BULB COMPANY

502 LIBERTY AVE.

PITTSBURGH, PA.

Hardy Garden Lilies

Lilies are the crowning glory of the garden. From time immemorial they have commanded the admiration of mankind. All of us know them, yet, strange to say, few gardeners realize how many and varied in form they are, or how easy it is to get a start with them. A few bulbs planted in congenial soil will not only live from year to year but will multiply indefinitely.

With the exception of Lily Candidum and Superbum, all Lilies on this page are stem-rooting and should be planted 8 to 10 inches deep. Candidum and Superbum make their roots at the base of the bulb and these should be planted 4 to 5 inches deep. Full cultural instructions are sent with each order for Lily bulbs.

Lily bulbs mature late and sometimes the imported varieties do not arrive until after the ground is frozen, in which event they will be delivered early in the Spring. Bulbs we offer are all of the best quality.

FREE DELIVERY: All bulbs are delivered free at prices listed.

Lily Regale

Ready for Delivery in October.

This is, perhaps, the finest of all garden Lilies. It is extremely hardy and thrives in a variety of soils. Bushy plants, covered with big trumpet-shaped flowers, white, flushed with pink on the outside and canary-yellow in the center. Our stock of this superb Lily will be found to be far superior to the small sized bulbs generally offered. Jumbo bulbs, 75c each; \$7.50 per doz.; \$57.50 per 100. Monster bulbs, \$1.00 each; \$10.00 per doz.

Japanese Lilies

Arrive from Japan November-December.

Auratum (The Gold-Banded Lily of Japan). Large flowers, ivory-white spotted with crimson and striped with gold through the center of each petal. 9x11 size, 50c each; \$5.00 per doz.; \$37.50 per 100. 11x13 size, 75c each; \$7.50 per doz.; \$57.00 per 100.

Speciosum Album (The White Showy Lily). Large, white flowers, each petal faintly banded with green. Large bulbs, 75c each; \$7.50 per doz.; \$57.00 per 100.

Speciosum Rubrum (The Pink Showy Lily). Shaded with deep rose and spotted with crimson. 9x11 size, 50c each; \$5.00 per doz.; \$37.50 per 100. 11x13 size, 75c each; \$7.50 per doz.; \$57.00 per 100.

COLLECTION. One each of the above 3 Japanese Lilies, 9x11 size, \$1.50, postpaid.

Six Brilliant Lilies

Ready for Delivery October-November.

Batemanniae. Apricot-orange; blooms in July or August and is so hardy as to be adaptable for any garden. 40c each; \$4.00 per doz.

Hansonii. Flowers are bright orange-yellow spotted brown. Plants bloom in June and grow 4 to 5 feet high. 75c each; \$7.50 per doz.

Henryi. Very tall growing orange Lily. A strong growing variety, perfectly at home in a variety of soils. 75c each; \$7.50 per doz.

Krameri. Pure pink flowers on graceful stems. Plant in peaty loam in a sheltered location. 75c each; \$7.50 per doz.

Superbum. The brightest of our native Lilies, bearing in July great clusters of glowing orange flowers. 30c each; \$3.00 per doz.

Tigrinum Splendens (The Giant Tiger Lily). Orange-red flowers. A fine native Lily that never fails to bloom. 35c each; \$3.50 per doz.

COLLECTION. One each of the above 6 Brilliant Lilies, \$3.00, postpaid.



Madonna Lilies.

Peat Moss

Peat Moss is the best Summer and Winter mulch for all Lilies. Price, \$4.50 per bale, delivered in Pittsburgh.

Hardy Lilium Candidum or Madonna Lily

Native of France, this marvelous free-blooming pure white Lily is a great favorite for border planting. Nothing is more effective than its immaculate snowy white against the deep green of June shrubbery. For best results they should be planted immediately upon arrival from France, usually the first part of September, but will bloom satisfactorily even if planted in November. True northern-grown stock. Large bulbs, 35c each; \$3.50 per doz.; \$25.00 per 100. Jumbo bulbs, 50c each; \$5.00 per doz.; \$37.50 per 100.



City of Haarlem.

The Giant Darwin Tulips

(May-Flowering)

This magnificent class is distinguished by long sturdy stems (from 20 to 30 inches) bearing large goblet shaped blooms with petals rounded and slightly incurved at the top. Colors range through all the shades of pink, red, blue and white with many suffused or margined with delicately contrasting shades.

The Darwin Tulips bloom in May after the Early Tulips have passed and are unusually adapted for mass plantings. Their sturdy growth and vivid colorings also make them unexcelled for interspersing in shrubbery or perennial borders.

If planted deep (5 to 6 inches) in a sunny location and not disturbed, they will live and continue to bloom for years. In the shrubbery or perennial border they need not be covered but in open beds should be covered with peat moss or strawy manure after heavy frost.

For detailed instructions, see cultural sheet in front.

The height in inches of each variety is given immediately after the name and should be taken into consideration when planning to plant two or more varieties in the same bed; so that the shorter varieties will not be hidden by the taller ones.

The Newer Darwin Tulips

Whether or not you have already made the acquaintance of these May Beauties through the standard varieties, you will find untold joy in these ten Super-Darwins, which are the result of years of painstaking effort by men who have made Tulips their life work.

Afterglow. 26 in. The deep rosy orange shade suffused with salmon, so often seen in sunsets, hence the name. Flowers are large and of perfect shape. 12c each; \$1.15 per doz.; \$8.50 per 100.

Aphrodite. 32 in. Large flowers on strong stems, clear rose-pink shaded lighter on the inside of petals. White base. 20c each; \$2.00 per doz.; \$15.00 per 100.

Bleu Celeste. 30 in. The rich violet-blue of a storm cloud at sunset, effective as a background for Afterglow. 40c each; \$3.75 per doz.; \$27.50 per 100.

City of Haarlem. 27 in. Glowing scarlet with blue base, considered to be the finest and most brilliant Darwin Tulip. 20c each; \$2.00 per doz.; \$15.00 per 100.

Duchess of Hohenberg. 29 in. One of the most delightful of the pastel shaded Darwins; lilac-mauve, faintly tinted rose-heliotrope. Reminiscent of old draperies. 25c each; \$2.50 per doz.; \$17.50 per 100.

King George V. 25 in. The King of Darwins. Brilliant cherry-red flowers of largest size. 25c each; \$2.25 per doz.; \$16.00 per 100.

La Fiancee. 30 in. Rich deep rose, margined with delicate pink. A strong grower and a fine companion for Duchess of Hohenberg. 12c each; \$1.15 per doz.; \$8.50 per 100.

Louise de la Valliere. 24 in. One of the finest pure pink shades. Flowers are extra large and a clear rosy carmine shade, with no trace of lavender. 17c each; \$1.65 per doz.; \$12.00 per 100.

President Harding. 28 in. A new deep violet-blue Tulip that surpasses any variety of this color that we have seen. Flowers are very large and borne on long, strong stems. 30c each; \$3.00 per doz.; \$22.50 per 100.

Zwanenburg. 26 in. The newest and best white Darwin Tulip. Pure white on both sides of petals; flowers are large and well shaped. 35c each; \$3.50 per doz.; \$25.00 per 100.

FREE DELIVERY: All bulbs are delivered free at prices listed.



May-Flowering Darwin Tulips

In our selection of tried and true varieties of Darwin (May-Flowering) Tulips listed on this page, we have eliminated those of less desirable qualities. Each of the below we highly recommend as standing supreme not only in the various colors but also as to the size of their large, cup-shaped blooms and long, sturdy length of stem.

The height in inches of each variety is given immediately after the name and should be taken into consideration when planning to plant two or more varieties in the same bed; so that, the shorter varieties will not be hidden by the taller ones. Varieties marked with a star (*) are suitable for late forcing.

FREE DELIVERY: All bulbs are delivered free at prices listed.

Baronne de la Tonnaye. 26 in. Rose shading to blush-pink. Excellent for bedding. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

***Bartigon.** 28 in. Rich dazzling crimson scarlet; a real red Tulip. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

Clara Butt. 24 in. Clear salmon-pink. Beautifully formed flower. One of the most popular varieties. 65c per doz.; \$4.50 per 100; \$40.00 per 1000.

Dream. 25 in. Clear lavender lilac outside; almost violet inside; blue base. Very effective planted in front of Mme. Krelage. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

Farncombe Sanders. 25 in. Bright glowing scarlet outside; cerise scarlet inside; white base. 70c per doz.; \$5.25 per 100; \$47.50 per 1000.

Faust. 30 in. Rich purple maroon. Finest Tulip of this shade. \$1.00 per doz.; \$7.50 per 100; \$70.00 per 1000.

Harry Veitch. 24 in. Rich deep blood-red, shading to a brighter red at the edges. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

La Tulipe Noire. 25 in. Dark purplish maroon, almost black. Combines very effectively with the pink shades of Tulips. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

***Le Notre.** 26 in. Clear, bright pink with blue base. Forces earlier than any other Darwin Tulip. 85c per doz.; \$6.00 per 100.

Mme. Krelage. 28 in. Lilac-rose, margined silvery rose. 70c per doz.; \$5.25 per 100; \$47.50 per 1000.

Philippe de Comines. 24 in. Deep velvety purple maroon. The best of the less expensive dark colored Tulips. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Pride of Haarlem. 28 in. One of the finest Darwin Tulips, bar none. Brilliant rosy carmine with blue base. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

***Princess Elizabeth.** 26 in. Beautiful clear deep pink, shading to rose-pink. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

***Professor Rauwenhof.** 26 in. One of the largest Darwin Tulips. Color bright cherry-red, with brilliant blue base. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

Purple Perfection. 24 in. Velvety wine-purple. Remains in bloom a long time. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.

Rev. H. Ewbank. 22 in. Charming light lavender violet, shaded silvery gray. 70c per doz.; \$5.25 per 100; \$47.50 per 1000.

White Queen. 24 in. Opens pale rose, quickly changing to pure white as the flower ages. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

***William Copland.** 25 in. Nearest to a pure lavender color in Tulips. Very pretty combined with Pride of Haarlem. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

***William Pitt.** 24 in. Bright glowing scarlet tinged with orange. One of the best Darwins for forcing. 85c per doz.; \$6.00 per 100.

Supreme Mixture of Darwin Tulips

This mixture is an extra choice assortment of strictly first quality bulbs. The varieties used are our own selection, imported under variety name and mixed in our warehouse. This insures a wide variance of beautiful shades. 60c per doz.; \$4.25 per 100; \$40.00 per 1000.

May-Flowering Cottage Tulips



Bed of Cottage Tulips.

Cottage Tulips are the Lilies of Tulipdom. The flowers have long, graceful petals generally turned back at the tips and are borne on strong, slender stems. They bloom in May at the same time as the Darwin Tulips. Figures following variety name denote height in inches.

For cultural instructions see special cultural page in front of catalog.

FREE DELIVERY: All bulbs are delivered free at prices listed.

Five Rare Cottage Tulips

Alaska (Lily Flowered). Extremely long, lily-shaped flower, pure gold yellow. 45c each; \$4.25 per doz.; \$30.00 per 100.

Ambrosia. 24 in. Rosy lilac blending into bronze at the edges. Inside bright orange with yellow base. 20c each; \$2.00 per doz.; \$15.00 per 100.

Argo (Lily-Flowered). Golden yellow deepening to orange at the edges. 17c each; \$1.65 per doz.; \$12.00 per 100.

Carrara. 25 in. An exquisitely shaped pure white Tulip with not a trace of other coloring. 35c each; \$3.50 per doz.; \$25.00 per 100.

Dido (Lily-Flowered). 28 in. A striking variety. Rich deep pink, boldly striped yellow. 30c each; \$3.00 per doz.; \$22.00 per 100.

Quaintness. 20 in. Golden bronze overlaid rosy orange. Interior reddish mahogany. 30c each; \$3.00 per doz.; \$22.00 per 100.

Avis Kennicot. 25 in. Rich deep yellow with black base and anthers. \$1.40 per doz.; \$10.00 per 100; \$95.00 per 1000.

Bouton d'Or. 20 in. Deep golden yellow. Flowers are more cup-shaped and somewhat smaller than Avis Kennicot. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Elegans Alba. 18 in. Creamy white, faintly margined with rose. A very dainty and graceful bloom on rather short stems. \$1.65 per doz.; \$12.00 per 100.

Gesneriana Spathulata. 22 in. Bright scarlet with blue base and bluish sheen on outside of petals. Flowers have long, pointed petals. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Glare of the Garden. 21 in. Crimson scarlet with faint yellow margin. Large flowers on strong stems. 85c per doz.; \$6.00 per 100.

Grenadier. 24 in. One of the most brilliant Tulips we have seen. Flowers are of the brightest dazzling scarlet color, feathered to orange scarlet at the edges. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.

Hammer Hales. 24 in. Delightful blend of golden bronze, apricot and old rose. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.

Inglescombe Pink. 22 in. Extra large, soft rose-pink flowers, globular in shape and borne on strong stems. 65c per doz.; \$4.50 per 100; \$40.00 per 1000.

Inglescombe Scarlet. 20 in. Bright scarlet red with black anthers and black base. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Inglescombe Yellow. 20 in. Bright lemon-yellow; large, globular flower, sometimes referred to as the "Yellow Darwin." 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Isabella. 18 in. White, suffused with rose, changing lighter as the flower ages. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

John Ruskin. 16 in. Deep rose-pink, feathered to yellow at the edges with bluish sheen over all. Flowers are egg-shaped; strong stems. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Moonlight. 25 in. Long, graceful flowers of soft canary-yellow with yellow anthers and yellow base. 85c per doz.; \$6.00 per 100.

Mrs. Moon. 24 in. Pure chrome-yellow inside and out, with yellow anthers and yellow base. Long, pointed petals, strong stems. \$1.00 per doz.; \$7.50 per 100; \$70.00 per 1000.

Orange King. 22 in. Bright orange-scarlet with rosy sheen. Flowers are quite sweet scented. 70c per doz.; \$5.00 per 100.

The Fawn. 20 in. Rosy fawn with yellowish sheen changing to creamy fawn as the flower ages. 65c per doz.; \$4.50 per 100.

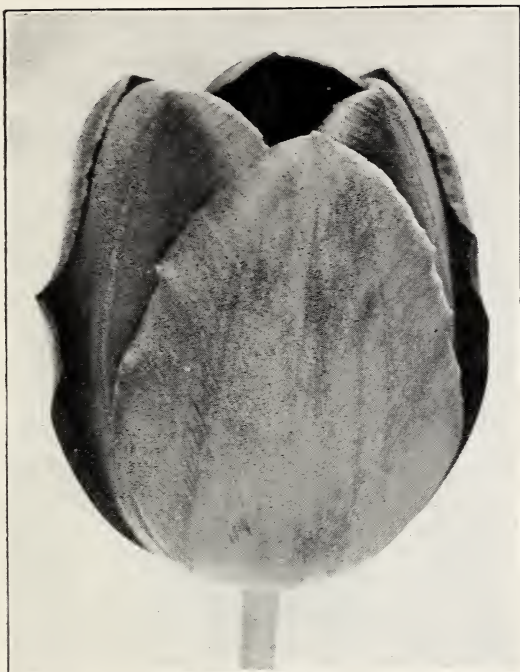
Picotee. 20 in. Long, pointed, reflexed petals; pure white with narrow but distinct margin of carmine-rose. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Yellow Picotee. 20 in. Pale yellow edged with carmine-rose. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Supreme Mixture of Cottage Tulips

This mixture is an extra choice assortment of strictly first quality bulbs. The varieties used are our own selection, imported under variety name and mixed in our warehouse. This insures a wide variance of beautiful shades. 65c per doz.; \$4.50 per 100; \$42.50 per 1000.

Majestic Breeder Tulips (May-Flowering)



A Typical Breeder Tulip.

Six New Breeder Tulips

The Breeder Tulips as a whole are colorful but in these six rare varieties are to be found colors and blendings of colors unsurpassed among flowers.

Garibaldi. 32 in. Delicate rose-bronze blending into primrose yellow at the edges. 70c each; \$7.00 per doz.

Goldfinch. 30 in. Golden bronze outside shaded to lilac towards center of petals. Inside deeper bronze. 20c each; \$1.80 per doz.; \$13.00 per 100.

Indian Chief. 32 in. Well named, rich purplish red with overtones of copper bronze. \$1.00 each; \$10.00 per doz.

Louis XIV. 28 in. Flowers are huge and perfect goblet shape. Color is royal purple blending into a broad margin of tawny gold. 13c each; \$1.25 per doz.; \$9.00 per 100.

Lucifer. 23 in. Deep orange, almost scarlet, with rosy bloom. 20c each; \$1.85 per doz.; \$14.00 per 100.

Marechal Victor. 28 in. Extra large flowers; clear lavender overshaded with violet and boldly edged with bronze. 50c each; \$4.75 per doz.; \$35.00 per 100.

The Breeder varieties produce larger and longer-stemmed flowers than any other race of Tulips. They are distinguished by magnificent blendings of purple, rose, lavender, buff, bronze and copper shades and extremely large goblet-shaped flowers.

Breeder Tulips bloom in May and are often planted in conjunction with the Darwin and Cottage Tulips in beds or interspersed in perennial borders.

Figures following variety names denote height in inches.

See Cultural Page in front of catalog for planting instructions.

FREE DELIVERY: All bulbs are delivered free at prices listed.

Standard Breeder Tulips

Apricot. 25 in. Bronzy buff outside; ruddy apricot inside; yellow base. \$1.00 per doz.; \$7.50 per 100.

Bacchus. 28 in. Dark violet-blue. The finest dark blue Tulip. \$1.40 per doz.; \$10.00 per 100.

Bronze Queen. 28 in. Buff, shaded bronze, with bronze predominating on the inside; yellow base. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Cardinal Manning. 28 in. Wine-red, toned with bronze, changing to rosy violet. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

Chestnut. 24 in. Rich chestnut-brown; inside deep mahogany—a distinctive color. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

Godet Parfait. 30 in. Rich purplish blue, with white base; very large flower. \$1.10 per doz.; \$8.00 per 100.

Marie Louise. 23 in. Salmon-rose, margined orange, overlaid with purple. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

Panorama. 26 in. Orange-red, shaded mahogany. Extra large, globular flowers. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

Queen Alexandra. 22 in. Canary-yellow, flushed brownish lavender at the edges. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Saint James. 28 in. Aptly illustrates the typical Breeder colorings; rosy lilac tinted bronze, blending into tawny gold and finally golden yellow. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

Salomon. 30 in. A long petaled beautiful lilac bloom delicately shaded with silvery white. \$1.40 per doz.; \$10.00 per 100.

Yellow Perfection. 24 in. Yellowish bronze, with golden yellow edge. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.

Supreme Mixture of Breeder Tulips

This mixture is an extra choice assortment of strictly first quality bulbs. The varieties used are our own selection, imported under variety name and mixed in our warehouse. This insures a wide variance of beautiful shades. 70c per doz.; \$5.00 per 100; \$47.50 per 1000.

Single Early Tulips

Blooming in April along with the Daffodils the Single Early Tulips are the first of all Tulips to bloom. Because of their early blooming they can be used to advantage for beds and borders, which are later to be used for bedding plants, such as Geraniums, Petunias, etc., as they will have finished blooming by the time such plants are ready to set out.

The Single Early Tulips are also the best class for forcing, varieties marked (*) being particularly adapted for this purpose.

Best results are obtained by getting the bulbs into the ground during October, so that strong root growth will have been made before Winter sets in, although in favorable seasons plantings can be made as late as December first. Plant bulbs so they are covered by not more than 4 inches of soil and space 5 to 6 inches apart. After the ground freezes, cover with Peat Moss, leaves or strawy manure to a depth of 3 inches to protect from alternate freezing and thawing. Remove this covering in the Spring after the weather has become settled. The letters in the descriptions below denote comparative earliness of bloom and figures height in inches.

Complete cultural instructions are given on special page in front of catalog.

FREE DELIVERY: All bulbs are delivered free at prices listed.

***Brilliant Star.** Extra large flower, brilliant scarlet with black base. \$1.00 per doz.; \$7.50 per 100.

***Belle Alliance.** B, 8. Rather short-stemmed but very brilliant. Bright glowing scarlet. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

Chrysolora. B, 10. Pure golden yellow with extra large flowers. Fine for large beds. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

Couleur Cardinal. C, 12. Blooms later than most of the Early Tulips; bright cardinal red in color. 95c per doz.; \$7.00 per 100; \$65.00 per 1000.

***Cramoisi Brilliant.** B, 10. A superb and reliable Tulip of rich deep crimson color. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

DE WET. B, 15. A bright and glowing combination of golden yellow richly suffused orange-scarlet. Sweet scented. 20c each; \$2.00 per doz.; \$15.00 per 100.

Flamingo. B, 12. White flaked and splashed carmine-rose. A pleasing departure from the reds and yellows. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

***Goldfinch.** B, 10. Fine deep buttercup yellow for forcing. 95c per doz.; \$7.00 per 100; \$65.00 per 1000.

IBIS. B, 12. Very striking either in pots or outdoors. White flaked and plashed carmine-rose. 11c each; \$1.10 per doz.; \$8.00 per 100.

***Keizerskroon.** B, 12. The most popular Single Early Tulip either for forcing or bedding. Bright scarlet broadly margined yellow. \$1.25 per doz.; \$9.00 per 100.

***Lady Boreel.** B, 10. Blooms are long and gracefully shaped. Pure white. 90c per doz.; \$6.50 per 100; \$60.00 per 1000.



Couleur Cardinal.

***Mon Tresor.** A, 10. Pure yellow and reliable for forcing or bedding. \$1.25 per doz.; \$9.00 per 100; \$85.00 per 1000.

MOONBEAM. B, 14. The name is very descriptive. Soft canary-yellow that will blend with any color effect. 14c each; \$1.40 per doz.; \$10.00 per 100.

Pink Beauty. C, 12. Deep rose-pink, almost as large as the Darwin Tulips. \$1.80 per doz.; \$13.00 per 100.

***Prince of Austria.** B, 15. Bright vermilion. Excellent for use in beds. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

***Proserpine.** A, 10. Large nicely shaped blooms, beautiful carmine-rose in color. \$1.25 per doz.; \$9.00 per 100; \$85.00 per 1000.

RISING SUN. B, 14. The rich deep golden yellow of a rising sun. The best Single Early Tulip of this color. \$1.25 per doz.; \$9.00 per 100.

***Rose Luisante.** C, 10. Reliable deep velvety rose, good bedder and forcer. 95c per doz.; \$7.00 per 100; \$65.00 per 1000.

***White Hawk.** B, 8. Pure glistening white. Short stemmed but flowers last a long time. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

Supreme Mixture of Single Early Tulips

This mixture is an extra choice assortment of strictly first quality bulbs. The varieties used are our own selection, imported under variety name and mixed in our warehouse. This insures a wide variance of beautiful shades. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.

Double Early Tulips

This is a very useful class of Tulips not quite so tall and blooming somewhat later than the Single Early Tulips. Blooms are full, double and last for a long time. Effective for bedding and pot culture. Letters following variety names denote comparative earliness and figures represent height in inches.

Cultural directions will be found on special page in front of catalog.

FREE DELIVERY: All bulbs are delivered free at prices listed.

Boule de Nieve. B, 10. Pure snow-white, full double and of fine substance. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

***Cochineal.** B, 8. Glowing fiery scarlet, its dwarf growth and full flower makes it ideal for forcing. 95c per doz.; \$7.00 per 100.

***Couronne d'Or.** B, 11. Finest deep yellow, flushed and tinged with orange. 95c per doz.; \$7.00 per 100; \$65.00 per 1000.

***Imperator Rubrorum.** B, 10. Bright red almost crimson. Fine for combining with Couronne d'Or. 95c per doz.; \$7.00 per 100.

Lord Beaconsfield. B, 12. Deep carmine rose. Fine for bedding. 95c per doz.; \$7.00 per 100; \$65.00 per 1000.

Murillo. B, 10. A favorite for forcing. Flowers are full double, light pink flushed white. 65c per doz.; \$4.50 per 100; \$40.00 per 1000.

***MR. VAN der HOEF.** C, 12. Superb new double yellow forcing Tulip without a trace of orange. \$1.10 per doz.; \$8.00 per 100.

***MYSTERY OF INDIA.** B, 12. A delightful shade of apricot-orange flushed pink. 95c per doz.; \$7.00 per 100.

***PEACH BLOSSOM.** B, 12. A glorified Murillo. Immense full double blooms, deep pink flushed white. 95c per doz.; \$7.00 per 100.

Rubra Maxima. B, 11. Bright blood red. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

Salvatore Rosa. A, 10. Very early blooming. Flowers are deep rose-pink. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

Schoonoord. B, 12. Very finely formed, pure white blooms. 85c per doz.; \$6.00 per 100; \$55.00 per 1000.

***Tea Rose.** B, 10. Delicate blending of pale rose and apricot-yellow. 75c per doz.; \$5.50 per 100; \$50.00 per 1000.

Tournesol. B, 12. Bright scarlet edged with yellow. 95c per doz.; \$7.00 per 100; \$65.00 per 1000.

Vuurbaak. B, 11. Brilliant scarlet changing to orange-scarlet as the flower ages. \$1.00 per doz.; \$7.50 per 100; \$70.00 per 1000.

Supreme Mixture

This mixture is an extra choice assortment of strictly first quality bulbs. The varieties used are our own selection, imported under variety name, and mixed in our warehouse. This insures a wide variance of beautiful shades. 70c per doz.; \$5.00 per 100; \$45.00 per 1000.



Double Early Tulips.

Triumph Tulips

Triumph Tulips are the result of a cross between the Single Early and Darwin Tulips. They have the form and size of the Darwins and bloom in early May directly after the early Tulips and before the Darwins.

Buffalo. Extremely large blooms dull purple outside glistening purple inside. 30c each; \$2.75 per doz.

Lord Carnarvon. Deep purplish rose, lighter towards the edges and bordered with white. 20c each; \$2.00 per doz.

Mississippi. Bright vermilion scarlet. A very striking bloom. 30c each; \$2.75 per doz.

Prof. Tendeloo. Amaranth red with yellow border and white base. 30c each; \$2.75 per doz.

U. S. A. Bright orange scarlet with yellow border. Excellent for forcing. 30c each; \$2.75 per doz.

Collection of 1 each of the five Triumph Tulips, \$1.25, postpaid.

Various Art Tulips

The Art Tulips are like buried treasure only waiting to be discovered to yield you a wealth of beauty. Words fail to describe their varied and distinctive colorings. All have the same flowering season as the Darwins and are almost as tall, so that they may be treated in the same manner.

Rose Bybloom, Mixed. 85c per doz.; \$6.00 per 100.

Violet Bybloom, Mixed. 85c per doz.; \$6.00 per 100.

Bizarres Mixed. 85c per doz.; \$6.00 per 100.

PARROT TULIPS. Late Tulips with waxy, fringed, and slashed petals marked with showy colors.

Admiral de Constantinople. Red shaded orange. 65c per doz.; \$4.50 per 100.

FANTASY. A superb new, strong-stemmed Parrot Tulip. Color clear pink, tinged with green towards the base. \$1.50 each; \$14.00 per doz.

Lutea Major. Yellow striped green. 65c per doz.; \$4.50 per 100.

Finest Parrot Tulips Mixed. 65c per doz.; \$4.50 per 100.

Rembrandt Tulips, Mixed. The blooms are either striped, feathered or blotched. 85c per doz.; \$6.00 per 100.



Hyacinths.

Exhibition Hyacinths

Our exhibition size Hyacinths are Holland's best, both as to size and quality. They are unexcelled for pot or water culture, and when properly grown will take prizes at any show in the country. Spikes are tall and full-flowered, with strong, sturdy stems, so that staking is seldom required.

CULTURE INDOORS. Dutch Hyacinths may be grown indoors in specially shaped glasses, in pots in soil, or bulb fiber or in bowls or jardinières in bulb fiber. No matter what the method of growing, the most important thing is to allow plenty of time for root development before bringing into the light, 14 weeks is none too long.

WATER CULTURE is the simplest method; merely place the bulb in a Hyacinth glass or other receptacle that will hold the bulb above water; fill with water to the base of the bulb and set in a cool dark place until roots are well developed before exposing to light.

POT or BOWL CULTURE. Fill pot or bowl with earth or bulb fiber and plant the bulbs, so that the tips barely show above the soil. Water thoroughly and place in a cool dark place until roots are developed. For proper soil and size of roots see special instruction page in front of catalog, or our free booklet "Hints On Growing Autumn Bulbs" free with each order.

Any of the Exhibition Hyacinths below, 30c each; \$3.00 per doz.; \$22.50 per 100.

FREE DELIVERY: All bulbs are delivered free at prices listed.

Arentine Arendsen. A superb forcing variety. Pure glistening white.

City of Haarlem. Large trusses; deep yellow. Fine for pots.

Electra. Light silvery blue. Best of its color for pots.

Enchantress. Delicate china-blue; extra large.

General Vetter. White shaded blush pink; unusually large.

Gertrude. Rose-pink. Fine indoors and out.

Gigantea. Light pink; large trusses. Fine for pots.

Grand Maître. Deep lavender-blue. Good for all purposes.

King of the Blues. Rich dark blue. Good bedder and late forcer.

Lady Derby. Light rose; early. A general favorite.

La Grandesse. Pure white. Desirable for late forcing.

La Victoire. Shining carmine. An excellent bedder.

L'Innocence. The most popular white; early. Good for every purpose.

Perle Brilliant. A very fine large lavender; early.

Queen of the Pinks. Bright rose-pink.

Yellow Hammer. Creamy yellow. Fine for pots.

Glasses for Growing Hyacinths—Green, Blue or Amber, 35c each; 3 for \$1.00.



Selected Bedding Hyacinths

This grade is especially selected for extensive outdoor planting. Flower spikes are not so long and heavy as those produced by the exhibition grade, but short and more compact and for this reason not so liable to be broken down by the heavy Spring rains. All bulbs are strictly flowering age and can be depended upon to bloom satisfactorily. Plant 4 to 5 inches deep and 6 to 10 inches apart. For further cultural instructions see special cultural page in front of catalog.

FREE DELIVERY: All bulbs are delivered free at prices listed.

	Each	Doz.	100
Dark Blue	\$0.15	\$1.50	\$10.00
Light Blue .....	.15	1.50	10.00
Pure White .....	.15	1.50	10.00
Red .....	.15	1.50	10.00
Rose Pink .....	.15	1.50	10.00
Yellow .....	.15	1.50	10.00

Dutch Roman Hyacinths

This superb form of Hyacinth has been neglected for a long time, because its beauty and ease of culture as pot plants is not generally known. They are miniatures of the large exhibition sorts with spikes 3 to 5 inches long and nicely formed. A 7- or 8-inch pot with 9 or 10 of these bulbs in full bloom is indeed a thing of beauty. Plant same as the exhibition sorts, set away in a cool, dark place for about 14 weeks and bring into bloom in a cool room. The following sorts have proven best in our trials.

	Each	Doz.	100
City of Haarlem. Pale yellow	\$0.15	\$1.50	\$10.00
Gertrude. Deep rose-pink .....	.15	1.50	10.00
Grand Maitre. Lavender blue .....	.15	1.50	10.00
L'Innocence. Large white .....	.15	1.50	10.00
La Victoire. Glowing carmine .....	.15	1.50	10.00

French White Roman Hyacinths

These charming Winter flowering bulbs are only surpassed in ease of culture by the Paper-white Narcissus. Their graceful spikes of loosely arranged bells together with their spicy fragrance help to make a pleasing variety in your Winter garden.

White Roman Hyacinths are one of the first bulbs to arrive in the Fall (generally in late August) and if potted at once may be had in bloom for Thanksgiving. They may be grown in pebbles or bulb fibre in bowls like the Paper-white Narcissus or in pots in soil, the same as other Hyacinths. They require quite a lot of moisture and need only be kept in the dark 7 or 8 weeks. For succession make plantings every two weeks.

	Each	Doz.	100
Large Bulbs	\$0.30	\$2.75	\$20.00
Mammoth Bulbs .....	.35	3.50	25.00

Don't Neglect Your Lawn

Don't neglect your lawn in the Fall for that is one of the best times to seed a new lawn or reseed an old one. Full directions for making a lawn, the care of the lawn and quantities of seed necessary will be found on page 16 of this catalog.

Crocus and Miscellaneous Bulbs for Naturalizing



Giant Crocus.

Your bulb garden is only half complete if these brave harbingers of Spring are omitted. Lack of space need not deter you from enjoying their beauty, for it is in the nooks and crannies that they are most effective and thrive the best. The **Crocus** are well known but the other early blooming sorts, **Chionodoxas**, **Grape Hyacinths**, **Scillas** and **Snowdrops** are not as generally planted as they should be.

Excellent effects may be had by mixing several sorts in a basket and scattering them by handfuls under shrubbery and trees, on sunny banks and along the edge of the perennial border. Plant where they fall (twice the depth of the bulb) and avoid any regularity if you would achieve a natural effect.

Cultural instructions will be found on special page in front of catalog.

Giant Crocus

The easiest of all bulbs to naturalize, planted in small groups or broadcast in the lawn, they only ask that the grass remain uncut for a little longer in the Spring,

to increase and multiply and make each Spring more colorful than the last.

These Giant varieties are also good subjects for pot culture. Plant same as Tulips but do not bring into the light until February.

	Doz.	100	1000
Giant Golden Yellow. Rich bright yellow	\$0.65	\$4.50	\$42.50
La Majesteuse. Violet and white striped .....	.50	3.50	32.50
Maximilian. Charming sky-blue .....	.50	3.50	32.50
Mont Blanc. Snowy white; large and very fine .....	.50	3.50	32.50
Purpurea Grandiflora. Deep rich purple .....	.50	3.50	32.50
Giant Flowering Crocus in a Superb Mixture .....	.45	3.25	30.00

Miscellaneous Bulbs for Naturalizing

CHIONODOXA Luciliae (Glory-of-the-Snow). Early Spring-flowering bulbs, growing 4 to 6 inches high; perfectly hardy and thrive in moist location. Light blue flowers, shading to white at the center. 50c per doz.; \$3.50 per 100.

CROWN IMPERIAL. Grows about 15 inches high and bears bell-shaped flower clusters under a tuft of green leaves. 35c each; \$3.50 per doz.

ERANTHIS hyemalis (Winter Aconite). Blooms same time as snowdrops, but a beautiful yellow. Fine for rock gardens. 50c per doz.; \$3.50 per 100.

GRAPE HYACINTH (Muscari).

Blue Grape. Plant in masses in the border or rock garden or as an edging for a bed of bulbs.

Resemble miniature Hyacinths except that the bells are smaller. 50c per doz.; \$3.50 per 100.

Pure White. Same form as the blue but pure white. 75c per doz.; \$5.50 per 100.

IXIAS MIXED. Somewhat resemble miniature Gladiolus in shades of red, pink, yellow and white. Require protection. 60c per doz.; \$4.00 per 100.

SCILLA campanulata (Wood Hyacinth). Used largely for naturalizing in woods or hardy border. Spikes 15 inches high, bell-shaped flowers. Color blue, rose and white. Supplied in mixed colors only. 60c per doz.; \$4.00 per 100.

SCILLA sibirica, Blue (Blue Squill). Valuable for massing and naturalizing in borders and rockeries. Spikes 3 to 4 inches high, with sprays of rich blue bells. 70c per doz.; \$5.00 per 100.

SNOWDROPS (Galanthus). The Snowdrops with their beautiful snowy white bells greet us as the earliest Spring flower. Will thrive in almost any location and should be planted early. Single, 60c per doz.; \$4.00 per 100. Double, 85c per doz.; \$6.00 per 100.

LILY-OF-THE-VALLEY CLUMPS. Lilies-of-the-Valley delight in partially shaded locations where other flowers do not thrive. Large clumps, 50c each; \$5.00 per doz.

FREE DELIVERY: All bulbs are delivered free at prices listed.

Narcissus or Daffodils



Jonquils.

Trumpet Daffodil.

Double Daffodil.

Poetaz.

Poeticus.

The Federal embargo on Narcissus bulbs is still in effect and we offer only American grown bulbs. After making careful check tests of bulbs grown in the different growing sections, we offer a revised list, which includes only those varieties that our trials have shown will grow and bloom satisfactorily in this section.

Plant bulbs so that they are covered by $1\frac{1}{2}$ times their own depth in a position where they need not be disturbed and where the leaves may be left to turn brown before cutting off. If planted in the lawn or shrubbery border, no Winter protection will be necessary. Further instructions will be found on cultural page in front of catalog.

Classes of Narcissi

As there is often a great deal of confusion in ordering the different kinds of these fine Spring flowers, we give below short descriptions of the various types. Type name is designated in parenthesis after each variety name in the list.

Giant Trumpet. Those with trumpets as long or longer than the width of the petals.

Double Trumpet. Same as the Giant Trumpet but with double Trumpets.

Medium Trumpet. Those with medium long trumpets, which may be from $\frac{1}{2}$ to 2 inches long, according to variety.

Jonquils. Miniature giant trumpet Daffodils borne in clusters.

Poet's. Those with short cups in place of trumpets.

Poetaz. Cluster flowered Poet's Narcissus.

Paper-White Narcissus. The small cluster-flowered Narcissus for growing in pebbles and water. See page 14.

FREE DELIVERY: All bulbs are delivered free at prices listed.

Campernelle Giganteus (Jonquil). Small star-shaped flowers in golden yellow clusters. Very sweet scented. Double crown bulbs, 14c each; \$1.40 per doz.; \$10.00 per 100.

Conspicuous (Medium Trumpet Barri). Primrose petals with small orange-scarlet cup. Double crown bulbs, 14c each; \$1.40 per doz.; \$10.00 per 100.

Empress (Giant Trumpet). Deep yellow trumpet and pure white petals. Double crown bulbs, 20c each; \$2.00 per doz.; \$15.00 per 100.

Emperor (Giant Trumpet). Rich yellow trumpet with lighter yellow petals. Mammoth double crown bulbs, 20c each; \$2.00 per doz.; \$15.00 per 100.

Firebrand (Medium Trumpet). Fiery red cup set in creamy white petals; very showy. Double crown bulbs, 17c each; \$1.65 per doz.; \$12.00 per 100.

King Alfred (Giant Trumpet). Extra large pure yellow flower with fluted trumpet. Mammoth double crown bulbs, 35c each; \$3.50 per doz.; \$25.00 per 100.

Laurens Koster (Poetaz Narcissus). White petals with orange-yellow cup. Double crown bulbs, 17c each; \$1.65 per doz.; \$12.00 per 100.

Lucifer (Medium Trumpet). Large white petals with good sized yellow cup, edged red. Double crown bulbs, 17c each; \$1.65 per doz.; \$12.00 per 100.

Olympia (Giant Trumpet). Very large flowers; rich deep yellow trumpet with lighter petals. Double crown bulbs, 30c each; \$3.00 per doz.; \$22.50 per 100.

Poeticus Ornatus (Poet's Narcissus). Best of all for naturalizing. Cup light yellow with narrow scarlet border. Mammoth double crown bulbs, 14c each; \$1.40 per doz.; \$10.00 per 100.

Sir Watkin (Medium Trumpet Incom.). Very large sulphur petals with medium size, deep yellow cup. Mammoth double crown bulbs, 20c each; \$2.00 per doz.; \$15.00 per 100.

Von Sion (Double). Golden yellow throughout. Double trumpets. Double crown bulbs, 20c each; \$2.00 per doz.; \$15.00 per 100.

Mixed Daffodils for Naturalizing

This mixture of Daffodils is grown especially for us and includes only selected stock of flowering size bulbs. For those who want Daffodils for naturalizing in perennial borders or elsewhere, this mixture is ideal. Included are some new seedling varieties not yet offered commercially, as well as the old standard varieties, such as Emperor, Empress, Golden Spur, etc. \$1.25 per doz.; \$9.00 per 100; \$85.00 per 1000.



German Iris.

German Iris

Few flowers get along with less care. They are perfectly hardy, making great showy clumps of sturdy yet graceful flowers, decorative in the border, and fine for cutting. Plant them about 12 inches apart, preferably in a dry, sunny location and barely cover with soil.

Complete cultural instructions on special page in front of book.

Atropurpurea. Blooms early; rich deep royal purple. 20c each; \$2.00 per doz.

Florentina Alba. Blooms early; pure glistening white. 20c each; \$2.00 per doz.

Loreley. Falls deep sea-blue; standards creamy yellow—a delightful combination of color. 25c each; \$2.50 per doz.

Queen of May. Pure, clear rose-pink. One of the best pink German Iris. 25c each; \$2.50 per doz.

Pallida Dalmatica. Deep lavender standards; lighter falls; very large flowers. 25c each; \$2.50 per doz.

Sherwin-Wright. Deep golden yellow. Fine for massing or in mixed borders. 25c each; \$2.50 per doz.

COLLECTION of two of each of the above 6 fine German Iris, \$2.00 postpaid.

Spanish Iris

A highly prized bulbous Iris that makes excellent material for cutting. Plant in groups, in good soil and sheltered location. Protect over Winter. Finest mixed, 85c per doz.; \$6.00 per 100.

Japanese Iris

These are the largest and most stately of the Iris family. They prefer rather moist spots, but will thrive anywhere if given plenty of water just before and during the blooming season which comes in late June. Plant 12 inches apart and cover the roots with about 2 inches of soil. **Amethyst.** Single. Very strong growing and bears large clear lavender flowers. 50c each; \$5.00 per doz.

Azure. Double. Immense, mauve-blue flowers, with darker halo surrounding the yellow blotch at base of petals. 50c each; \$5.00 per doz.

Datedogu. Single. Rich claret red, a rare color in Iris. 40c each; \$4.00 per doz.

Gold Bound. Double. Extra large, pure white flowers deepening to yellow at the center. 40c each; \$4.00 per doz.

Indo. Single. Broad wavy petals of great size; color dark rich blue, with unusually bright yellow central blotch. 40c each; \$4.00 per doz.

Kuro-Kumo. Double. Royal purple, overlaid dark blue, with yellow blotches. 50c each; \$5.00 per doz.

COLLECTION of one of each of the above 6 Japanese Irises, \$2.50 postpaid.

Siberian Iris

Very similar to the Spanish Iris and perfectly hardy with some protection. Flowers have narrow petals and are borne on long, graceful stems. **Snow Queen.** Pure white. 25c each; \$2.50 per doz. **Blue King.** Rich deep blue. 25c each; \$2.50 per doz.

Bleeding Heart (*Dicentra spectabilis*)

Perfectly hardy and a favorite in gardens for many years. Plants grow 1½ to 2 feet high and bear long, graceful racemes of beautiful pink, heart-shaped flowers. Blooms in early Spring and does well in partial shade. Strong clumps, 50c each; \$5.00 per doz.

FREE DELIVERY: All bulbs are delivered free at prices listed.



Some Finer Peonies

Peonies are justly called the "Queen of Spring Flowers" and are one of the most satisfactory of all flowers to grow. They thrive best in a sunny location, in good, rich soil, but will also do well in partial shade.

Dig holes about 15 inches deep and put 4 or 5 inches of thoroughly rotted manure, or pulverized sheep manure mixed half and half with leaf mold, in the bottom. Fill in with good top soil and plant roots so that the crowns are covered by not more than 2 to 3 inches of soil. Roots should not be closer than two feet apart.

Peonies bloom early, but because of this they should not be neglected for the remainder of the Summer. In extreme droughts, plenty of water should be applied. Do not remove the leaves until they have withered. Failure to bloom does not necessarily mean that the clump should be divided; it may be that the plant is sending up too many stems for their roots; in which case, early in Spring, scrape dirt away from the crowns and remove one-third to one-half of the shoots.

We have included for your guidance (in parenthesis following the names) the rating of each variety, as given by the American Peony Society.

FREE DELIVERY: All bulbs are delivered free at prices listed.

	Each	Doz.		Each	Doz.
Albatre. (8.7). Milky white shading to ivory. Very free blooming. Late mid-season	\$0.75	\$8.00	Germaine Bigot. (3.5). Color at the center light lilac-rose with outer guard petals splashed with crimson. Mid-season	\$1.00	\$11.00
Baroness Schroeder. (9.0). One of the finest all around Peonies in existence. The perfectly formed roselike blooms are flesh pink delicately tinted white and delightfully fragrant. Late mid-season	1.50	17.00	Karl Rosenfeld. (8.8). The finest crimson-red Peony. Plants are strong, foliage deep green and blooms most profusely. Early	1.50	17.00
Edulis Superba. (7.6). More than a hundred years old, this fine mauve-pink Peony is still a favorite. As a rule it can be depended on to bloom by May 30th and is often referred to as the Decoration Day Peony. Very early ...	.65	7.00	Monsieur Jules Elie. (9.2). Claimed to be the largest Peony in existence. Took first prize at the last two shows in Boston. Full double, glossy pink shading deeper at the base. Midseason. ...	1.50	17.00
Felix Crousse. (8.4). Large, ruby-red, rose type blooms without any purple tints. Late midseason .....	.75	8.00	Monsieur Krelage. (7.7). Deep currant-red and one of the best of this color. Midseason .....	.75	8.00
Festiva Maxima. (9.8). Enormous flowers on strong stems. Pure white except for a few carmine spots on the edges of center petals. Very fragrant and blooms early .....	.65	7.00	Reine Hortense. (8.7). Delicate soft flesh-pink deepening to shell-pink with crimson splashes on face of the petals. Midseason	1.25	14.00
			Sarah Bernhardt. (9.0). Apple blossom pink tipped with silver. Flowers full double with many petals curled and twisted. Late midseason	1.50	17.00
			Solange. (9.7). Waxy white suffused with gold. Flowers are very large and delightfully fragrant. Late bloomer ...	3.00	34.00

PEONY COLLECTION. One of each of the above 12 Peonies for\$12.00, postpaid.

ALL THE ABOVE ROOTS ARE STRONG 3- TO 5-EYE DIVISIONS, ACCORDING TO VARIETY

Bulbs for Growing Indoors



Paper-white Narcissus.

Anyone who loves flowers can have them all Winter long with but very little trouble and expense. The main requirements are a cool dark place to start the bulbs and a sunny room that can be kept at a cool temperature (55 to 60 degrees) to grow them in.

Nearly every one is familiar with the ease with which the Paper-white Narcissus can be brought into bloom. Many other bulbs, such as Tulips, Hyacinths and the bulbs listed on pages 14 and 15 are just as adaptable for growing indoors. It is necessary, however, to leave them in the dark for a longer period than Paper-Whites and they cannot, with the exception of the Roman Hyacinths, be grown in pebbles and water.

Bulb fiber is an excellent growing medium, very easy to handle and inexpensive to buy, so that you need not use soil unless you care to. The diagram on opposite page shows explicitly, how to pot up bulbs for Winter blooms, and if bulb fiber is used, bowls or jardinières may be substituted for pots.

Paper-White Narcissus

The Paper-White Narcissus is truly a flower for everybody. We know of no other flower that can be as easily and as successfully brought into bloom. Their requirements are small, all that is needed is a bowl and some pebbles or small shells, a little water and a cool room to grow them in.

In planting cover the bulbs nearly to the top with pebbles, for if planted too shallow the roots will push the bulbs too far out. Fill bowls to base of the bulbs with water and place in a cool, dark place until well rooted (about 4 weeks). After the bulbs are well rooted, bring into a cool, sunny room until the flowers commence to open when they may be put in a warmer place. Large bulbs, 11c each; \$1.10 per doz.; \$8.00 per 100. Mammoth bulbs, 14c each; \$1.40 per doz.; \$10.00 per 100, postpaid.

Yellow Paper-White Narcissus

We are glad to be able to offer these favorites again this year. Flowers are bright buttercup yellow. Grow same as Paper-whites. Mammoth bulbs, 25c each; \$2.50 per doz.; \$18.00 per 100, postpaid.

Amaryllis Hippeastrum - Giant Flowering Hybrids

The most striking indoor blooming bulb and remarkably easy to grow. Beautiful dark green sword-like foliage bearing one or two stems of large lily-shaped flowers 3 or 4 to a stem. Bulbs should be kept from year to year, as they increase in size. Colors range from white to deep red. Full instructions for planting are included with each order. Mammoth bulbs, 75c each; \$8.00 per doz. Monster bulbs, \$1.00 each; \$10.00 per doz., postpaid.

Greenhouse or Easter Lilies

These are the varieties so extensively forced in greenhouses for late Winter- and Spring-flowering pot plants.

	Doz.	100
Formosum. 7-9 in. bulbs	\$4.00	\$30.00
9x10 in. bulbs	7.50	60.00
11x13 in. bulbs	10.00	75.00

	Doz.	100
Giganteum. 7x9 in. bulbs	\$4.00	\$30.00
9x10 in. bulbs	6.00	45.00
10x12 in. bulbs	7.50	55.00
Harrisii. 9x11 in. bulbs	7.50	60.00
11x13 in. bulbs	12.00	90.00

Hints on Growing Autumn Bulbs

This is the title of a little 12-page pamphlet issued by B. S. & B. Co., to help you get the best results from your bulbs. It gives general and specific cultural instructions for growing all bulbs listed in this catalog, either in the garden or indoors. **Free with every order for bulbs.**

Bulbs for Growing Indoors

Freesia

Popular and fragrant blooms for indoor culture only. Soil should be light and friable, good top soil mixed with a fourth leaf mold and a fourth sand is excellent. Plant a dozen bulbs in a six-inch pot covering an inch deep, water thoroughly and plunge the pots to the rims outdoors if the weather is mild, otherwise in ashes in the cellar. When the tops are an inch high, bring into a light, cool room, temperature of which should be under 65 degrees. Keep well watered at all times.

Purity. Large, pure white flowers borne in clusters; wonderfully fragrant. First size bulbs, 50c per doz.; \$3.50 per 100. Extra large bulbs, 70c per doz.; \$5.00 per 100. Jumbo bulbs, 95c per doz.; \$7.00 per 100.

California. Best of the new Freesias. Bright golden yellow, on strong stems. 11c each; \$1.10 per doz.; \$8.00 per 100.

General Pershing. A strong and robust grower and one of the best of the colored Freesias. Large, lavender-pink flowers with yellow throat. 9c each; 85c per doz.; \$6.00 per 100.

GOLDEN DAFFODIL. A superb new golden yellow Freesia, delightfully fragrant. 20c each; \$2.00 per doz.; \$15.00 per 100.

Mrs. Marc Peter. Deep rosy salmon, lower petals blotched orange. 14c each; \$1.40 per doz.; \$10.00 per 100.

Olivette. Rich carmine-red. 11c each; \$1.10 per doz.; \$8.00 per 100.

Splendens. Beautiful, clear, deep lavender. 9c each; 85c per doz.; \$6.00 per 100.

TRITONIA Crocata (Lapirrosa). Deep tangerine orange, flowers greatly resembling the Freesia in appearance. 9c each; 85c per doz.; \$6.00 per 100.

Lily-of-the-Valley

Selected Cold Storage Pips for Forcing. 250 pips, \$17.50; 500 pips, \$35.00; 1000 pips, \$65.00. Cannot be furnished in less than lots of 250.

Oxalis

Charming Winter blooming plants for pots or hanging baskets. Graceful drooping clover leafed foliage, bearing myriads of small flowers in lavender, pink, white or yellow. Supplied separately or mixed. 50c per doz.; \$3.50 per 100.



Calla Lilies.

Calla Lilies

Satisfactory and easy to grow at home. Plant the bulbs in deep pots of rich soil in early Fall and give them plenty of light, warmth, and moisture from the start. After blooming allow plants to dry and remain dormant all Summer.

Aethiopica (Lily-of-the-Nile). The familiar white Calla Lily. Large bulbs, 25c each; \$2.50 per doz. Mammoth bulbs, 40c each; \$4.00 per doz.

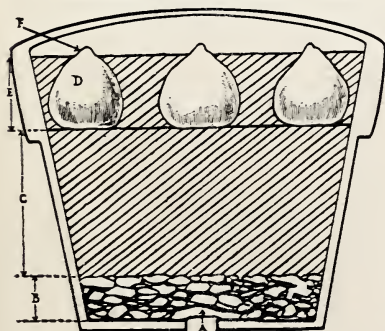
Elliottiana (The Golden Calla). Beautiful variety having the same growth as the White Calla. The flowers are deep golden yellow and the leaves spotted with white. Mammoth bulbs, 50c each; \$5.00 per doz.

Godfrey. Smaller flowers than the Aethiopica but more free blooming. One bulb will often bear 3 to 5 blooms. Large bulbs, 40c each; \$4.00 per doz.

Spirea

A favorite Easter plant not to be confused with the shrub Spirea. Grows 18 inches high and bears large, graceful, plumelike flower heads. Easily forced indoors in a cool room or perfectly hardy outdoors. Each Doz.

America. Lilac-rose	\$1.00	\$10.00
Gladstone. Pure snow-white	1.00	10.00
Peach Blossom. Delicate pink ...	1.00	10.00
Queen Alexandra. Bright pink ..	1.00	10.00



How to Pot Bulbs for Winter Blooming

- Place piece of broken pot over hole so that it won't become clogged.
 - 1 to 1½ inches pebbles, coarse ashes or other rubble for drainage.
 - Fill to here with soil or bulb fiber first, then
 - Place bulbs so tops are about level with top of pot.
 - Fill in soil or bulb fiber around bulbs, pressing same firmly.
 - Tops of bulbs should barely show above soil.
- GENERAL.** Water thoroughly and place in dark 6 to 14 weeks to make root-growth. Bring into light, cool room. Bulbs may be expected to bloom in 6 to 7 weeks after bringing into light.



Fall Lawn Making

September is one of the best times to start a new lawn, or to reseed an old one. The cool nights and warm days of September are ideal for promoting quick growth and there is usually plenty of rain, also weeds are weakest at this time of the year.

Grass sown in September makes a very heavy root growth, which carries it through the Winter and will produce a luxuriant sod early in the Spring.

SOIL AND PREPARATION. The ideal lawn soil is a well drained, moderately rich and moderately heavy loam. If raw sub-soil has been exposed in grading, cover or replace it to a depth of 8 inches with top soil from an old meadow or garden. If the soil is too sandy, add manure or prepared humus to act as a binder and moisture holder. If it is stiff-clay, add sand or ashes to make it lighter, and manure to make it mellow. Avoid fresh stable manure, as it is almost invariably full of weed seeds. Pulverized Sheep Manure is excellent. Spade up the soil to a depth of 6 to 8 inches, mixing in the manure or other fertilizer, and then rake the surface as fine and level as possible.

SEEDING. Sow the seed evenly over the surface. To insure a thick, even stand, use plenty of seed: an excessive quantity will do no harm. It is a good idea to divide the seed in half and go over the plot twice, making the second sowing at right angles to the first. Then go over the surface with a roller to compact the soil about the seed. Make the first cutting when the young grass is 3 or 4 inches high.

In shady places sow Shadyland Lawn Seed and give extra attention to fertilizing and watering, as trouble under trees and shrubs is often due to the fact that their roots have absorbed all food and moisture from the soil.

WATERING. If the soil contains plenty of moisture-retentive humus, little artificial watering should be required. If it becomes necessary to use the hose during the dry spells, an occasional thorough soaking is better than frequent light sprinklings.

RESEEDING. Even on well established turf it is advisable to scatter seed every Spring and Fall. One-third to one-half of the quantity recommended for seeding a new lawn is generally sufficient for this purpose. Bare spots on old lawns should be dug up, well fertilized and resown. Thin places need only be scratched up with the rake, seeded, and rolled.

Evergreen Lawn Mixture

Weight per measured bushel, 24 pounds.

Nothing but extra selected, re-cleaned seeds of the best fine-leaved, low-growing turf grasses are used in this special B. S. & B. Co. blend. Carefully tested for germination and purity, it cannot be surpassed for quick and lasting results. Will produce a close, vigorous, velvety turf, rich green throughout the season. One quart will sow 250 square feet, a peck will sow 2400 square feet, 5 bushels will sow an acre. Qt., 45c; 2 qts., 85c; 4 qts., \$1.50; pk., \$2.50; bu. (24 lbs.), \$9.00; 100 lbs., \$35.00, postage or express extra.

Creeping Bent Mixture

This special Creeping Bent Mixture contains only Seaside Bent (*Agrostis maritima*), European Bent (*Agrostis species*), and Fancy Re-cleaned Red Top (*Agrostis alba*). Planted on rich, heavy, acid soils where plenty of moisture can be supplied, it will produce the finest turf imaginable. Use acid fertilizers. Sow at the rate of one pound to 300 square feet. Price, lb., \$1.25; 5 lbs., \$6.00; 10 lbs., \$11.00; 25 lbs., \$26.00; 100 lbs., \$100.00, postage or express extra.

Shadyland Lawn Mixture

A special mixture for shaded places, composed of only those turf grasses which will thrive under trees or in the shade of walls and buildings. It will produce a good, close, bright green lawn where ordinary grasses do not last. Qt., 50c; 2 qts., 90c; 4 qts., \$1.65; pk., \$2.75; bu. (20 lbs.), \$10.00; 100 lbs., \$45.00, postage or express extra.

Terrace Lawn Mixture

A special blend of deep-rooting grasses that will grow, thrive, and make a thick, dense turf on terraces. Qt., 50c; 2 qts., 90c; 4 qts., \$1.65; pk., \$2.75; bu. (24 lbs.), \$10.00; 100 lbs., \$37.50, postage or express extra.

White Dutch Clover

A very dwarf-growing Clover, with deep green foliage and white blossoms. Makes a fine turf and withstands hot weather well. Not included in any of our mixtures. Choicest grade. ½ lb., 40c; lb., 75c; 5 lbs., \$3.50, postage or express extra.

SEPTEMBER IS ONE OF THE BEST TIMES TO START A LAWN.



OSCAR M. BECKERT
President-Treasurer

FALL 1929

JOHN W. FORNOF
Vice-Pres.-Secretary

PLEASE USE THIS ORDER SHEET

Beckert Seed and Bulb Company

502 Liberty Ave., Pittsburgh, Penna.

A Good Place to Start Your Garden

Phone ATlantic 1129

Date _____ 1929

Name _____

Write plainly and please use Mr., Mrs., or Miss

Street_____

Post Office _____

R. D. or P. O. Box No. _____ State _____

Send Goods by _____ Express or Freight Office _____
 State if wanted by Parcel Post, Express or Freight _____ Only if different from Post Office _____

AMOUNT ENCLOSED

P. O. Order ..\$.....

Express Order \$.....

Check\$.....

Stamps \$.....

Cash\$.....

TOTAL \$.....

NON-WARRANTY—The Beckett Seed and Bulb Company gives no warranty, express or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants it sells and will not be responsible for the crop. If purchaser does not accept goods on these terms, they are to be returned at once.

[illegible]

IF WE ARE OUT OF ANY OF
THE VARIETIES ORDERED

Shall we send other varieties equally as good?
OR
Shall we return money for them?

Terms and Instructions for Ordering

Cultural Instructions. In addition to the cultural instructions given in this catalog, we enclose with each order a pamphlet entitled, "Hints on Growing Autumn Bulbs." This pamphlet gives general and specific directions for planting and growing all bulbs listed. We are always glad to give further information on request.

Prices. All bulbs are supplied 6 of one variety at the dozen rate, 25 of one variety at the 100 rate, 250 of one variety at the 1000 rate. Prices include shipping charges on bulbs.

Terms. Bulbs are sold cash with order unless you have a standing open account with us, in which case invoice is mailed when bulbs are forwarded.

C. O. D. Bulbs are perishable and will not be sent C. O. D.

Shipping Instructions. Please state whether bulbs are to be sent by parcel post, express or freight. Should no instructions be given, we will ship by method we deem best.

Your Name and Full Address should be written plainly on every sheet. Also complete shipping instructions, and the name of your express or freight station, if it is required.

How to Send Money. Remittance can safely be made by post office or express money order, bank draft or check. Small amounts may be sent in stamps. If you must send cash or bank notes, register your letter.

We Ship Promptly. Allow a reasonable time; and then if your order is not received, notify us to trace it. Remember to allow plenty of time for freight shipments.

Check Your Order. We take great care to fill all orders correctly. Check your order as soon as it arrives, and if everything is not to your entire satisfaction, let us know at once so that we can straighten the matter out.

Guarantee: We use the utmost care to see that only first quality bulbs are supplied and guarantee all bulbs to be true to name and of flowering age. It is due, however, to the wide variance of climate, soils, seasons and methods of planting, that we are unable to guarantee that all bulbs we send out will bloom satisfactorily. We make careful check tests on all bulbs we supply and if given proper attention we know our bulbs will flower and produce satisfactory results.

BECKERT SEED AND BULB COMPANY

OSCAR M. BECKERT
Pres. and Treas.

JOHN W. FORNOF
V.-Pres. and Sec.



BECKERT SEED & BULB CO.

502 LIBERTY AVE.

PITTSBURGH, PENNA.